BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: Construction of Indoor Stadium building above existing Swimming pool in ward no.07

									Estimation Cost.Rs.	**30000000**
Building										
Sl No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**	
1	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32									
	First Floor									
	Column									
	C1									
	Along Grid B	Sqm	8	2.1		3.65	61.32			
	Along Grid E	Sqm	8	2.1		3.65	61.32			
	C2	Sqm								
	Along Grid C	Sqm	2	1.5		4.35	13.05			
	C3	Sqm								
	Along Grid D	Sqm	2	1.5		4.65	13.95			
	Grid A-9	Sqm	1	1.5		4.35	6.53			
	C4	Sqm								
	Along Grid F	Sqm	2	1.5		4.35	13.05			
	Grid A-10	Sqm	1	1.5		4.35	6.53			
	Basic rate							456.00		
	Additional rate of Rs. 25 shall be added for every additional meter above 3.5m of centering height							123.75		
	Sub Total							579.75		
	Area weightage 8%							46.38		
	Total						**175.74**	**626.13**	**110036.09**	
	Head Room									
	Column	sqm	2.00	1.50		2.33	6.98			
	Basic rate							456.00		
	Area weightage 8%							36.48		
	Total						**6.98**	**492.48**	**3435.05**	
2	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 9 mtrs.Specification No. KBS 4.6.2 (P.No.16, I.No. 4.29.6 of PWD SR 2018-19)									
	First Roof Slab									
		Sqm	1	40	23.9		956.00			
	Deduction	Sqm								
	Staircase	Sqm	1	6.6	3.7		-24.42			
	First Roof Slab Edge									
		Sqm	1	117.2		0.175	20.51			
	Basic rate							1170.00		
	Area weightage 8%							93.60		
	Total						**952.09**	**1263.6**	**1203060.92**	
3	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 (P.No.16, I.No. 4.29.6 of PWD SR 2018-19)									
	Headroom Slab	Sqm	1	8.15	4.1		33.42			
	Headroom Slab Edge	Sqm	1	24.5		0.175	4.29			
	Sump									
	Cover slab	Sqm	1	4.7	1.7		7.99			
	Basic rate							400.00		
	Area weightage 8%							32.00		
	Total						**45.69**	**432**	**19739.16**	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4-6.8 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilelver, girders, bressumers and lintels exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No. 4.35 of PWD SR 2018-19)								
	First Floor								
	Beams								
	B5(300 X 600)	Sqm							
	Along Grid 10&9	Sqm	4.00	23.90		0.43	40.63		
	B6(450 X 1300)	Sqm							
	Along Grid 2 to 9	Sqm	14.00	23.90		1.13	376.43		
	B7(450 X 1350)	Sqm	2.00	23.90		1.18	56.17		
	B8(200X 600)	Sqm							
	Along Grid A & F	Sqm	4.00	4.00		0.43	6.80		
		Sqm	28.00	4.05		0.43	48.20		
		Sqm	2.00	3.50		0.43	2.98		
	B4(300 X 300)	Sqm							
	Along Grid B & E	Sqm							
		Sqm	4.00	4.00		0.13	2.00		
		Sqm	24.00	4.05		0.13	12.15		
	Along D between 10&9	Sqm	2.00	3.50		0.13	0.88		
	SB(200 X 600)	Sqm	2.00	3.50		0.28	1.93		
	CB	Sqm	4.00	4.30		0.15	2.58		
	B9(200X600)	Sqm	4.00	3.80		0.43	6.46		
	Basic rate							403.00	
	Additional rate of Rs. 25 shall be added for every additional meter above 3.5m of centering height							112.50	
	Total Rate							515.50	
	Area weightage 8%							41.24	
	Total						**557.18**	**556.74**	**310204.39**
5	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Through Lintel								
	Northenside	Sqm	2	20.7		0.2	8.28		
	Southernside	Sqm	2	17.5		0.2	7.00		
	Easternside	Sqm	2	40		0.2	16.00		
	Westernside	Sqm	2	36		0.2	14.40		
		Sqm							
	Deduction for Lintel	Sqm							
	C1	Sqm	4	0.6		-0.2	-0.48		
	C2	Sqm	2	0.45		-0.2	-0.18		
	C3	Sqm	4	0.45		-0.2	-0.36		
	C4	Sqm	4	0.3		-0.2	-0.24		
	Head Room Roof Beam								
	Headroom Beam(200X600)	Sqm	4.00	8.15		0.45	14.67		
		Sqm	4.00	4.10		0.45	7.38		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**66.47**	**315.36**	**20961.98**
6	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	First Floor								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Staircase								
	Waist slab bottom	Sqm	2	5.43	1.6		17.38		
	Waist slab Side	Sqm	4	5.43		0.2	4.34		
	Landing bottom	Sqm	1	3.5	1.5		5.25		
	Landing Sides	Sqm	1	6.5		0.2	1.30		
	Rise and threads	Sqm	33		1.6	0.15	7.92		
	Second Floor								
	Waist slab bottom	Sqm	2	4.76	1.6		15.23		
	Waist slab Side	Sqm	4	4.76		0.2	3.81		
	Landing bottom	Sqm	1	3.5	1.5		5.25		
	Landing Sides	Sqm	1	6.5		0.2	1.30		
	Rise and threads	Sqm	30		1.6	0.15	7.20		
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						**68.98**	**561.60**	**38739.17**
7	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	First Floor								
	W1								
	bottom	Sqm	17	1.5	0.6		15.30		
	Front	Sqm	17	1.50		0.10	2.55		
	Side	Sqm	34	0.60		0.10	2.04		
	Head Room								
	W1								
	bottom	Sqm	1	1.5	0.6		0.90		
	Front	Sqm	1	1.5		0.10	0.15		
	Side	Sqm	2	0.60		0.10	0.12		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						**21.06**	**348.84**	**7346.57**
8	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12 4.10								
	Ground Floor								
	For sump								
	Bottom slab	Cum	1	4.70	1.70	0.15	1.20		
	Sump walls	Cum	2	4.70	0.15	1.80	2.54		
		Cum	2	1.40	0.15	1.80	0.76		
	Cover slab	Cum	1	4.70	1.70	0.15	1.20		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						**5.69**	**6276.96**	**35722.18**
	First Floor								
	Column								
	C1								
	Along Grid B	Cum	8.00	0.60	0.45	3.65	7.88		
	Along Grid E	Cum	8.00	0.60	0.45	3.65	7.88		
	C2								
	Along Grid C	Cum	2.00	0.45	0.30	4.35	1.17		
	C3								
	Along Grid D	Cum	2.00	0.45	0.30	4.65	1.26		
	Grid A-9	Cum	1.00	0.45	0.30	4.35	0.59		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	C4								
	Along Grid F	Cum	2.00	0.45	0.30	4.35	1.17		
	Grid A-10	Cum	1.00	0.45	0.30	4.35	0.59		
	Through Lintel								
	Northenside	Cum	1	20.7	0.2	0.2	0.83		
	Southernside	Cum	1	17.5	0.2	0.2	0.70		
	Easternside	Cum	1	40	0.2	0.2	1.60		
	Westernside	Cum	1	36	0.2	0.2	1.44		
	Deduction for Lintel	Cum							
	C1	Cum	2	0.6	0.2	-0.2	-0.05		
	C2	Cum	1	0.45	0.2	-0.2	-0.02		
	C3	Cum	2	0.45	0.2	-0.2	-0.04		
	C4	Cum	2	0.3	0.2	-0.2	-0.02		
		Cum							
	Staircase								
	Waist slab bottom	Cum	2	5.43	1.60	0.2	3.48		
	Landing bottom	Cum	1	3.50	1.50	0.2	1.05		
	Rise and threads	Cum	33		1.60	0.02	1.06		
				triangular area					
	SB(200 X 600)	Cum	1.00	3.50	0.20	0.60	0.42		
	Basic rate	4.18						6045.00	
	Add lift charges for							60.00	
	sub total							6105.00	
	Area weightage 8%							488.40	
	Total						**30.99**	**6593.40**	**204330.78**
	Second Floor								
	Staircase								
	Waist slab bottom	Cum	2	4.76	1.60	0.2	3.05		
	Landing bottom	Cum	1	3.50	1.50	0.2	1.05		
	Rise and threads	Cum	30		1.60	0.02	0.96		
				triangular area					
	SB(200 X 600)	Cum	1.00	3.50	0.20	0.60	0.42		
	Basic rate							6045.00	
	Add lift charges for							120.00	
	sub total							6165.00	
	Area weightage 8%							493.20	
	Total						**5.48**	**6658.20**	**36462.97**
	Head Room								
	Column	cum	2.00	0.30	0.45	2.33	0.63		
	Basic rate							6045.00	
	Add lift charges for							180.00	
	sub total							6225.00	
	Area weightage 8%							498.00	
	Total						**0.63**	**6723.00**	**4220.36**
9	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	First Floor								
	Beams								
	B5(300 X 600)								
	Along Grid 10&9	Cum	2.00	23.90	0.30	0.43	6.09		
	B6(450 X 1300)	Cum							
	Along Grid 2 to 9	Cum	7.00	23.90	0.45	1.13	84.70		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	B7(450 X 1350)	Cum	1.00	23.90	0.45	1.18	12.64		
	B8(200X 600)	Cum							
	Along Grid A & F	Cum	2.00	4.00	0.20	0.43	0.68		
		Cum	14.00	4.05	0.20	0.43	4.82		
		Cum	1.00	3.50	0.20	0.43	0.30		
	B4(300 X 300)	Cum							
	Along Grid B & E	Cum							
		Cum	2.00	4.00	0.30	0.13	0.30		
		Cum	12.00	4.05	0.30	0.13	1.82		
	Along D between	Cum	1.00	3.50	0.30	0.13	0.13		
	SB(200 X 600)	Cum	1.00	3.50	0.20	0.28	0.19		
	CB	Cum	2.00	4.30	0.60	0.15	0.77		
	B9(200X600)	Cum	2.00	3.80	0.20	0.43	0.65		
	First Floor Roof Slab	Cum	1	40	23.9	0.175	167.30		
	Deduction								
	Staircase	Cum	1	6.6	3.7	-0.175	-4.27		
	Headroom Beam(200X600)	Cum	2	8.15	0.2	0.45	1.47		
		Cum	2	4.1	0.2	0.45	0.74		
	Headroom Slab	Cum	1	8.15	4.1	0.15	5.01		
	Basic rate							5497.00	
	Area weightage 8%	A·49·2						439.76	
	Total						**283.33**	**5936.76**	**1682087.44**
10	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	First Floor								
	W1	Sqm	17	1.5	0.6		15.3		
	Basic rate							496.00	
	Add lift charges for First Floor							5.00	
	sub total							501.00	
	Area weightage 8%							40.08	
	Total						**15.30**	**541.08**	**8278.52**
	Head Room								
	W1	Sqm	1	1.5	0.6		0.9		
	Basic rate							496.00	
	Add lift charges for First Floor							15.00	
	sub total							511.00	
	Area weightage 8%							40.88	
	Total						**0.90**	**551.88**	**496.69**
11	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor							A·46·3	
	Sump	Cum					5.69		
		kg	Steel assumed 140 Kg/Cum of Concrete				796.74		
	Basic rate	Tonne					**0.80**	70966.00	
	Area weightage 8%							5677.28	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**tonne**					**0.80**	**76643.28**	**61064.77**
	First Floor								
	Colomn	tonne	Steel assumed				**6.24**		
	Staircase	tonne	Steel assumed				**0.76**		
	Lintel	tonne	Steel assumed				**0.44**		
	Beam	tonne	Steel assumed				**56.27**		
	Roof Slab	tonne	Steel assumed				**17.84**		
	Chajja	tonne	Steel assumed				**0.15**		
	Basic rate							70966.00	
	Add lift charges for							748.00	
	sub total							71714.0	
	Area weightage 8%							5737.12	
	Total						**81.70**	**77451.1**	**6328006.58**
	Head Room								
	Column	tonne	Steel assumed				0.14		
	Beam	tonne	Steel assumed				**0.53**		
	Roof Slab	tonne	Steel assumed				**0.83**		
	Chejja	tonne	Steel assumed				**0.01**		
	Basic rate							70966.00	
	Add lift charges for							2244.00	
	sub total							73210.0	
	Area weightage 8%							5856.80	
	Total						**1.51**	**79066.8**	**119413.96**
12	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	First Floor								
	Northenside wall	Sqm	1	23.9		4.35	103.97		
	Southenside Wall	Sqm	1	23.9		3.65	87.24		
	Easternside wall and Westernside wall	Sqm	2	40		4.35	348.00		
	near Staircase	Sqm	1	6		4.35	26.10		
	Deduction								
	W1	Sqm	35	1.5		-1.5	-78.75		
	V1	Sqm	5	0.75		-0.6	-2.25		
	V	Sqm	1	1.00		-0.6	-0.60		
	Basic rate							912.00	
	Add lift charges for First Floor							35.00	
	sub total							947.00	
	Area weightage 8%							75.76	
	Total						**483.70**	**1022.76**	**494709.01**
	Head Room								
		Sqm	1	24.50		2.05	50.23		
	Deduction								
	D1	Sqm	1	0.90		-2.1	-1.89		
	W1	Sqm	1	1.50		-1.5	-2.25		
	Basic rate							912.00	
	Add lift charges for First Floor							105.00	
	sub total							1017.00	
	Area weightage 8%							81.36	
	Total						**46.09**	**1098.36**	**50617.92**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
13	Provinding and constructing non load bearing wall with Light Weight Concrete (Autoclaved areated concrete) Blocks confirming to IS:2185 (part-3) 1984 and IS 6441-1972 of compressive strength of 3.0N/sq mm with a thin layer of polymer based jointing solvent for super structure with neccesary scaffolding, curing including cost of all materials, labour, lead& lift etc, complete as per specifications. - with 600x200x150mm size Blocks								
	First Floor								
	Office	Sqm	1	7.80		4.775	37.25		
	Lobby	Sqm	1	5.80		4.775	27.70		
	Ladies Changing Room	Sqm	1	9.85		4.775	47.03		
	WC	Sqm	1	3.90		4.775	18.62		
		Sqm	1	2.40		4.775	11.46		
		Sqm	1	3.50		2.1	7.35		
	Gents Changing Room	Sqm	1	9.70		4.775	46.32		
	WC	Sqm	1	2.70		4.775	12.89		
		Sqm	1	2.40		4.775	11.46		
		Sqm	1	2.35		2.1	4.94		
	Deductions								
	D1	Sqm	3	0.90		-2.1	-5.67		
	D	Sqm	1	1.80		-2.1	-3.78		
	D2	Sqm	5	0.75		-2.1	-7.88		
	Basic rate							1314.00	
	Add lift charges for First Floor							66.00	
	sub total							1380.00	
	Area weightage 8%							110.40	
	Total						**207.69**	**1490.40**	**309535.59**
14	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	First Floor								
	External Plastering								
	Northenside wall	Sqm	1	23.9		4.95	118.305		
	Southenside Wall	Sqm	1	23.9		4.95	118.305		
	Westernside wall	Sqm	1	40		4.95	198		
	Easternside wall	Sqm	1	40		4.95	198		
	Deduction								
	W1	Sqm	35	1.5		-1.5	-78.75		
	V1	Sqm	5	0.75		-0.6	-2.25		
	V	Sqm	1	1		-0.6	-0.6		
	Basic rate							261.00	
	Add Scaffolding charges for First Floor							12.00	
	sub total							273.00	
	Area weightage 8%							21.84	
	Total						**551.01**	**294.84**	**162459.79**
	Head Room								
		Sqm	1	24.5		2.5	61.25		
	Deduction								
	D1	Sqm	1	0.9		-2.1	-1.89		
	W1	Sqm	1	1.5		-1.5	-2.25		
	Basic rate							261.00	
	Add Scaffolding charges for First Floor							36.00	
	sub total							297.00	
	Area weightage 8%							23.76	
	Total						**57.11**	**320.76**	**18318.60**
15	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	First Floor								
	Southenside Wall	Sqm	1	23.5		4.775	112.3		
	Northenside wall	Sqm	1	16.95		4.775	81		
	Westernside wall	Sqm	1	35.4		4.775	169.1		
	Easternside wall	Sqm	1	36		4.775	171.9		
	near Staircase	Sqm	1	6		4.775	28.7		
	Office	Sqm	2	7.8		4.775	37.245		
	Lobby	Sqm	2	5.8		4.775	27.695		
	Ladies Changing Room	Sqm	1	9.85		4.775	47.1		
		Sqm	1	9.85		2.675	26.4		
		Sqm	1	3.97		2.675	10.7		
	WC	Sqm	2	3.9		2.675	20.9		
		Sqm	2	2.4		2.675	12.9		
		Sqm	2.00	3.50		2.10	14.7		
	Gents Changing Room	Sqm	1	9.7		4.775	46.4		
		Sqm	1	9.7		2.675	26		
	WC	Sqm	2	2.7		2.675	14.5		
		Sqm	2	2.4		2.675	12.9		
		Sqm	1	6.6		2.675	17.7		
		Sqm	2.00	2.35		2.10	9.9		
	Column plastering								
	C1	Sqm	14	2.1		3.65	107.31		
	C3	Sqm	1	1.5		4.35	6.525		
	Deduction								
	W1	Sqm	35	1.5		-1.5	-78.75		
	D1	Sqm	3	0.9		-2.1	-5.67		
	D	Sqm	2	1.8		-2.1	-7.56		
	Basic rate							204.00	
	Add lift charges for First Floor							6.00	
	sub total							210.00	
	Area weightage 8%							16.80	
	Total						**909.90**	**226.80**	**206364.19**
	Head Room								
		Sqm	1	24.5		2.35	57.58		
	Deduction								
	D1	Sqm	1	0.9		-2.1	-1.89		
	W1	Sqm	1	1.5		-1.5	-2.25		
	Basic rate							204.00	
	Add lift charges for First Floor							18.00	
	sub total							222.00	
	Area weightage 8%							17.76	
	Total						**53.44**	**239.76**	**12811.58**
16	KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications , Pg.No-117, Item No-15.30.								
	First Floor								
	Ladies Changing Room	Sqm							
		Sqm	1	9.85		2.1	20.69		
		Sqm	1	3.97		2.1	8.34		
	WC	Sqm	2	3.9		2.1	16.38		
		Sqm	2	2.4		2.1	10.08		
	Gents Changing Room	Sqm							
		Sqm	1	9.7		2.1	20.37		
	WC	Sqm	2	2.7		2.1	11.34		
		Sqm	2	2.4		2.1	10.08		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Sqm	1	6.6		2.1	13.86		
	Deduction								
	D2	Sqm	8	0.75		-2.1	-12.60		
	D1	Sqm	2	0.9		-2.1	-3.78		
	Basic rate							205.00	
	Add lift charges for First Floor							6.00	
	sub total							211.00	
	Area weightage 8%							16.88	
	Total						**94.75**	**227.88**	**21592.09**
17	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Chejja Plastering								
	First Floor								
	W1								
	bottom	Sqm	17	1.5	0.6		15.30		
	Front	Sqm	17	1.5		0.1	2.55		
	Side	Sqm	34	0.6		0.1	2.04		
	Headroom Slab	Sqm	1	8.15	4.1		33.42		
	Chejja Plastering								
	W1	Sqm	1	1.5	0.6		0.90		
	bottom	Sqm	1	1.5		0.1	0.15		
	Front	Sqm	2	0.6		0.1	0.12		
	Basic rate							225.00	
	Area weightage 8%							18.00	
	Total						**54.48**	**243.00**	**13237.43**
18	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			963.33		
	ceiling	Sqm	1	same as plastering for beam + ceiling			196.44		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**1159.77**	**84.24**	**97699.15**
19	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				963.33		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						**963.33**	**97.20**	**93635.68**
20	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam and ceiling				196.44		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						**196.44**	**127.44**	**25034.50**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
21	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior apex paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge of the work.								
	External painting								
	First Floor								
	External Plastering								
	Southenside Wall	Sqm	1	23.9		4.95	118.305		
	Westernside wall	Sqm	1	40		4.95	198		
	Deduction								
	W1	Sqm	18	1.5		-1.5	-40.5		
	V1	Sqm	3	0.75		-0.6	-1.35		
	V	Sqm	1	1		-0.6	-0.6		
	Head Room								
		Sqm	1	24.5		2.35	57.575		
	Deduction								
	D1	Sqm	1	0.9		-2.1	-1.89		
	W1	Sqm	1	1.5		-1.5	-2.25		
	Chejja Plastering								
	First Floor								
	W1								
	bottom	Sqm	17	1.5	0.6		15.3		
	Front	Sqm	17	1.5		0.1	2.55		
	Side	Sqm	34	0.6		0.1	2.04		
	Head Room								
	Chejja Plastering								
	W1	Sqm	1	1.5	0.6		0.9		
	bottom	Sqm	1	1.5		0.1	0.15		
	Front	Sqm	2	0.6		0.1	0.12		
	Basic rate							439.00	
	Area weightage 8%							35.12	
	Total						**348.35**	**474.12**	**165159.70**
22	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.Cemenr paint								
	External painting								
	External painting								
	Southenside Wall	Sqm	1	23.9		4.95	118.305		
	Easternside wall	Sqm	1	40		4.95	198		
	W1	Sqm	17	1.5		-1.5	-38.25		
	V1	Sqm	2	0.75		-0.6	-0.9		
	Basic rate							102.00	
	Area weightage 8%							8.16	
	Total						**277.16**	**110.16**	**30531.39**
23	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51								
	First Floor								
	Tread	Sqm	31	1.60	0.30		14.88		
	Rise	Sqm	33	1.60		0.15	7.92		
	Landing	Sqm	1	3.50	1.50		5.25		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate							4456.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							4458.00	
	Area weightage 8%							356.64	
	Total						**28.05**	**4814.64**	**135050.65**
	Second Floor								
	Tread	Sqm	29	1.60	0.30		13.92		
	Rise	Sqm	30	1.60		0.15	7.2		
	Landing	Sqm	1	3.50	1.50		5.25		
	Basic Rate							4456.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							4.00	
	sub total							4460.00	
	Area weightage 8%							356.8	
	Total						**26.37**	**4816.80**	**127019.02**
24	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	First Floor								
	Gym	Sqm	1	23.5	31.5		740.25		
		Sqm	1	16.8	4.2		70.56		
		Sqm	1	6.1	3.8		23.18		
	Office	Sqm	1	4	3.6		14.4		
	Gents Changing Room	Sqm	1	6.6	2.3		15.18		
		Sqm	1	3.9	1.35		5.265		
	Ladies Changing Roor	Sqm	1	5.25	4		21		
	Basic rate							631.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							633.00	
	Area weightage 8%							50.64	
	Total						**889.84**	**683.64**	**608326.80**
25	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm Pg no. 112 Item No.14.61.1								
	First Floor								
	Gym	Sqm	1	23.5	31.5		740.25		
		Sqm	1	16.8	4.2		70.56		
		Sqm	1	6.1	3.8		23.18		
	Office	Sqm	1	4	3.6		14.4		
	Basic Rate							2392.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							2394.00	
	Area weightage 8%							191.52	
	Total						**848.39**	**2585.52**	**2193529.31**
26	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specification Pg no. 109 Item No.14.45.1								
	First Floor								
	Gents Changing Room	Sqm	1	6.55	2.2		14.41		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Ladies Changing Room	Sqm	1	5.3	2.8		14.84		
			1	1.35	1.3		1.755		
	Basic Rate							1137.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							1139.00	
	Area weightage 8%							91.12	
	Total						**31.01**	**1230.12**	**38139.87**
27	KSRB 14.14-5: Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Pg No 108,Item No14.36 .2								
	First Floor								
	WC	Sqm	5	1.2	1.2		7.2		
	Basic Rate							1210	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							1212.00	
	Area weightage 8%							96.96	
	Total						**7.20**	**1308.96**	**9424.51**
28	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Pg No 108,Item No14.41.2								
	First Floor								
	Ladies Changing Room	Sqm							
		Sqm	1	9.85		2.1	20.69		
		Sqm	1	3.97		2.1	8.34		
	WC	Sqm	2	3.9		2.1	16.38		
		Sqm	2	2.4		2.1	10.08		
	Gents Changing Room	Sqm							
		Sqm	1	9.7		2.1	20.37		
	WC	Sqm	2	2.7		2.1	11.34		
		Sqm	2	2.4		2.1	10.08		
		Sqm	1	6.6		2.1	13.86		
	Deduction								
	D2	Sqm	8	0.75		-2.1	-12.60		
	D1	Sqm	2	0.9		-2.1	-3.78		
	Basic Rate							1632.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							1634.00	
	Area weightage 8%							130.72	
	Total						**94.75**	**1764.72**	**167210.75**
29	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.35 Item No.7.11.2								
	First floor								
	W1	Sqm	35	1.50	1.50		78.75		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	V	Sqm	5	0.75	0.60		2.25		
	V1	Sqm	1	1.00	0.60		0.60		
	Basic Rate							4435.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							4441.00	
	Area weightage 8%							355.28	
	Total						**81.60**	**4796.28**	**391376.45**
	Head Room								
	W1	Sqm	1	1.50	1.5		2.25		
	Basic Rate							4435.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							18.00	
	sub total							4453.00	
	Area weightage 8%							356.24	
	Total						**2.25**	**4809.24**	**10820.79**
30	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	First Floor								
		Kgs	35			47.25	1653.75		
				21kg per sqm 1.5*1.5*21=47.25					
	Basic Rate							95.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							101.00	
	Area weightage 8%							8.08	
	Total						**1653.75**	**109.08**	**180391.05**
	Head Room								
	W1	Kgs	1			47.25	47.25		
				21kg per sqm 1.5*1.5*21=47.25					
	Basic Rate							95.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							18.00	
	sub total							113.00	
	Area weightage 8%							9.04	
	Total						**47.25**	**122.04**	**5766.39**
31	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	sqm	1	window qty			83.85		
	Painting for Grill	Sqm	1	window qty			81.00		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						**164.85**	**102.60**	**16913.61**
32	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38								
	First Floor								
		Sqm	1	28.42		0.9	25.578		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate							6021.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							6027.00	
	Area weightage 8%							482.16	
	Total						**25.58**	**6509.16**	**166491.29**
	Second Floor								
		Sqm	1	25.54		0.9	22.986		
	Basic Rate							6021.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							12.00	
	sub total							6033.00	
	Area weightage 8%							482.64	
	Total						**22.99**	**6515.64**	**149768.50**
33	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	First Floor								
	D1	Nos	3				3.00		
	D	Nos	1				1.00		
	Head Room	Nos							
	D1	Nos	1				1.00		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						**5.00**	**1475.28**	**7376.40**
34	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	First Floor	Cum							
	D1	Cum	3	6.00	0.075	0.100	1.35		
	D	Cum	1	7.80	0.100	0.127	0.78		
	Head Room	Cum							
	D1	Cum	1	6.00	0.075	0.100	0.45		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						**2.58**	**94612.3**	**244099.79**
35	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95								
	First Floor								
	D2	m	5	5.70			28.50		
	Basic rate							450.00	
	An additional rate of Rs.4.00/sqm per floor may be added for every additional floor							4.00	
	sub total							454.00	
	Area weightage 8%							36.32	
	Total						**28.50**	**490.3**	**13974.12**
36	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	First Floor								
	D1	Sqm	3	0.9		2.1	5.67		
	D	Sqm	1	1.8		2.1	3.78		
	Basic rate							4722.00	